

### HHRUMIHAD SHAMHAS OFAMIRIOR

Monsanto Cechnology LLC

MICCOS, THERE HAS BEEN PRESENTED TO THE

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE **EXAMINATION** MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOV, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID CULICANT (S) AND THE SUCCESSORS, FIEIRS OR ASSIGNS OF THE SAID APPLICANT (S) FOR THE TERM OF TWENTY FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC **ISSUMENT OF VIABLE** BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE CLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR CR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE SOR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'I028727'

In Testimone Whereof, I have hereunto set my hand and caused the seal of the Mant Barista Frotestion Office to be affixed at the City of Washington, D.C. this twenty-fifth day of November, in the year two thousand and eight.

Plant Variety Protection Off

Colmund T. School

REPRODUCE LOCALLY. Include form number and date on all reproductions			Form Approved - OMB No. 0581-0055	
AGRICULTURAL MARKETII	U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE		in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and a) of 1995.	
APPLICATION FOR PLANT VARIETY PR (Instructions and information collection but	OTECTION CERTIFICATE	Application is required in order to de (7 U.S.C. 2421). Information is held	elermine if a plant variety protection certificate is to be issued of confidential until certificate is issued (7 U.S.C. 2426).	
1. NAME OF OWNER	. 1	2. TEMPORARY DESIGNATION C EXPERIMENTAL NAME	R 3. VARIETY NAME	
Monsanto Technology <del>L.L.C.</del> LLC		None	1028727	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code	) FOR OFFICIAL USE ONLY	
800 N. Lindbergh Blvd. Creve Coeur, MO 63167 U.S.A.		(815) 758-9281	PVPO NUMBER	
		6. FAX (include area code)		
			200600119	
		(815) 758-3117	FILING DATE	
<ol> <li>IF THE OWNER NAMED IS NOT A "PERSON", GIVE FOR ORGANIZATION (corporation, partnership, association, etc.</li> </ol>	M OF 8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	March 1,2006	
Corporation	Delaware	August 27, 1999	/ (a) Cri I, x o b	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE	S) TO SERVE IN THIS APPLICATION. (F	irst person listed will receive all papers)	F   FILING AND EXAMINATION FEES:	
•			\$ 4382.00	
Timothy R. Kain	Mich	nal I D-8-		
8350 Minnegan Road		ael J. Roth	R DATE 3//06 CERTIFICATION FEE:	
Waterman, IL 60556		I. Lindbergh Blvd.	E \$ 768.00	
U.S.A.		e Coeur, MO 63167	l sel	
0.0,74	U,S.A	No.	E DATE 10/29/08	
11. TELEPHONE (Include area code)	12. FAX (Include area code)	13. E-MAIL	14. CROP KIND (Common Name)	
(815) 758-9281	(815) 758-3117	trkain@monsanto.com		
15. GENUS AND SPECIES NAME OF CROP		16. FAMILY NAME (Botenical)	17. IS THE VARIETY A FIRST GENERATION	
Zea mays		Graminae	HYBRID?	
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT S (Follow instructions on reverse)		19. DOES THE OWNER SPECIFY THAT CERTIFIED SEED? See Section	F SEED OF THIS VARIETY BE SOLD AS A CLASS OF 83(a) of the Plant Variety Protection Act)	
a. X Exhibit A. Origin and Breeding History of the Varie	ty ·	☐ YES (If "yes", answer items 20 and 21 below)  20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES?		
b. X Exhibit B. Statement of Distinctness				
c. X Exhibit C. Objective Description of Variety	i	WANTER BE DIMITED AS TO ROME	er or classes?	
d. Exhibit D. Additional Description of the Variety (Op	·	IF YES, WHICH CLASSES?	FOUNDATION  REGISTERED  CERTIFIED	
Exhibit E. Statement of the Basis of the Owner's O     Voucher Sample (2,500 viable untreated seeds or, verification that tissue culture will be deposited and	for tuber propagated varialies,	21. DOES THE OWNER SPECIFY THAT SEED OF THIS YES NO VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		
repository)		IF YES, SPECIFY THE NUMBER 1,2,	_	
g. X Filing and Examination Fee (\$3,652), made payable States" (Mail to the Plant Variety Protection Office)	to "Treasurer of the United	LI FOUNDATION LI REGISTERED LI CERTIFIED  (If additional explanation is necessary, please use the space indicated on the reverse.)		
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATE FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANS OR	RIAL) OR A HYBRID PRODUCED SFERRED, OR USED IN THE U.S.	23. IS THE VARIETY OR ANY COMPONI PROPERTY RIGHT (PLANT BREEDS	ENT OF THE VARIETY PROTECTED BY INTELLECTUAL ER'S RIGHT OR PATENT)?	
OTHER COUNTRIES?	·	X YES	NO NO	
X YES  IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)			ATE OF FILING OR ISSUANCE AND ASSIGNED	
The owners declare that a viable sample of basic seed of it for a tuber propagated variety a tissue culture will be deposed.	he variety has been furnished with conlice	tion and will be replenished upon request in	accordance with such regulations as may be applicable, or	
The undersigned owner(s) is(are) the owner of this sexually and is entitled to protection under the provisions of Section	reproduced or tuber propagated plant va		distinct, uniform, and stable as required in Section 42,	
Owner(s) is(are) informed that false representation herein of	· · · · · · · · · · · · · · · · · · ·	alties		
SIGNATURE OF OWNER	1/0			
/mothy K.		SIGNATURE OF OWNER		
NAME (Please print or type)		NAME (Please print or type)		
Timothy R. Kain		· · · · · · · · · · · · · · · · · · ·		
Patent Scientist	2/27/06	CAPACITY OR TITLE	DATE	
SY-470 (02-10-2003) designed by the Plant Variety Protection Office using Word	2000. Replaces former versions of ST-470, which	are obsolete.	(See reverse for instructions and information collection burden statement	

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

#### **Plant Variety Protection Office** Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

#### ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;

evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Parent of a hybrid sold in the U.S. - April 2005

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

U.S. Patent Application No. 11/098,592 - filed April 4, 2005 (I028727)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer. ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000

### EXHIBIT A (revised)

### Origin and Breeding History 1028727

I028727 was selected for greater combining ability, lodging resistance, gray leaf spot resistance, lower plant height, lower ear height, improved tassel size, improved tassel extension, staygreen, and general plant health.

Summer 1996	The inbred line LH185 (a proprietary Monsanto inbred) was crossed to the inbred line 3204* (a proprietary Monsanto inbred) in nursery ILMM:96MIS0CP, rows 1744 and 1748. The inbred line LH283 (a proprietary Monsanto inbred) was crossed to the inbred line 3204 (a proprietary Monsanto inbred) in nursery ILMM:96MIS0CP, rows 8753
Winter 1996-97	and 8752. S0 seed of LH283/3204 and 3204/LH185 were planted and crossed to create seed of the 4-way cross, LH283/3204//3204/LH185, in nursery IPMI:96MIX200, rows 13698 and 13699.
Summer 1997	Bulked seed of the 4-way cross, LH283/3204//3204/LH185, was grown and self-pollinated in nursery ILMM:97MBS1A, rows 2035 and 2036.
Winter 1997-98	A balanced bulk of S1 seed was planted and self-pollinated in nursery VMMI:98MIS2B, rows 5074 to 5076. Sixty ears were selected.
Summer 1998	S2 ears were grown ear-to-row and self-pollinated. One ear was selected in nursery ILMM:98MBS3CB, row 18428.
Summer 1999	The S3 ear was grown ear-to-row and self-pollinated. One ear from nursery row ZM 1999 04 US IL MN 9MBS4 0002 00404 was selected.
Winter 1999-2000	The S4 ear was grown ear-to-row and self-pollinated. Two ears from nursery row ZM 1999 11 CM MX SJ 54SS1 000013.000 were selected.
Summer 2000	Two S5 ears were grown ear-to-row and self-pollinated. One ear-row selection was saved and one ear was selected from nursery row ZM 2000 04 US IL MN 54S60 0007 00058. The line was coded I028727.
Winter 2000-01	The S6 ear was grown ear-to-row and self-pollinated. Two ears were selected in nursery row ZM 2000 11 CM MX SJ 54SSS 003352.000.
Summer 2001	Two S7 ears were grown ear-to row and self-pollinated. One ear-row selection was saved and 10 ears were selected from nursery row ZM 2001 04 US IL MN 54AT 0010 00229.
Winter 2001-02	Ten S8 ears were grown ear-to-row and self-pollinated. 20 ears were selected representing uniform ear-to-row families in nursery ZM 2001 11 CM MX SJ 84LS1, rows 016391.000 thru 015405.000.
Summer 2002	Twenty S9 ears were grown ear-to-row and self-pollinated. All rows were uniform and true to type. The final selection consisted of bulking S10 seed from nursery ZM 2002 04 US IL MN 54BRS, rows 0020 00112 thru 0022 00109. One ear was selected in each of the 20 ear-to rows for future breeder's seed increase.

## EXHIBIT A (revised) (con'td)

\* - 3204 is derived from LH82 (PVP No. 8500037) and LH123HT (PVP No. 8400039)

### Statement of Stability and Uniformity

Corn inbred I028727 was coded in 2000 with final selection made in 2002. This inbred has been reproduced by self-pollination for three generations and judged to be stable. Inbred I028727 is uniform for all traits observed.

### Statement of Variants

1028727 shows no variants other than what would normally be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

### EXHIBIT B (revised)

### Statement of Distinctness

LLC

Monsanto Technology <del>L.L.C.</del> believes that I028727 is most similar to corn inbred LH283, an inbred developed by Holden's Foundation Seeds.

1028727 and LH283 differ most significantly in the following traits:

Trait	1028727	LH283
Cob Color	White	Red
	(Lighter than 5 Y 9/1)	(5 R 3/8)

#### 2002

2002		
Variety	Ear Shank Length (cm)	Tassel Branch Angle (degrees)
1028727	7.7 (Std Dev = 0.9, N= 10)	7.8 (Std Dev = 2.6, N= 10)
LH283	13.9 (Std Dev = 1.9, N= 10)	25.5 (Std Dev = 6.6, N= 10)
P_Val	0.000	0.000
Signif.	**	**

### 2003

Variety	Ear Shank Length (cm)	Tassel Branch Angle (degrees)
1028727	8.6 (Std Dev = 0.5, N=10)	7.5 (Std Dev = 2.9, N= 10)
LH283	11.6 Std Dev = 1.6 , N=10)	22.3 (Std Dev = 6.9, N= 10)
P_Val	0.000	0.000
Signif.	**	**

Significance levels are indicated as: + = 10%, \* = 5%, \*\* = 1%

Corn variety I028727 has a white cob color, a shorter ear shank and narrower tassel branch angle while comparative corn variety LH283 has red cob color, a longer ear shank and wider tassel branch angle.

### EXHIBIT B (revised)

### Description of Experimental Design

The corn varieties I028727, LH283 and A619 were grown at the Waterman, IL observation nursery in years 2002-2003. The varieties were planted in 2 row plots with 15 plants per row in each of the three years. Trait data were collected on 10 random representative plants for most traits from each 2 row plot. Data on qualitative traits are usually collected on 10 plants from each 2 row plot. For Exhibit C all data were pooled and reported as means across the years for subject variety and the standard variety with standard deviation. The varieties are randomly planted in a 4.5 acre observation nursery which is located within a larger 18 acre field. Besides the observation nursery, this field consists of a research seed increase nursery and an IP seed inventory nursery. The location of each of these individual nurseries is rotated each year to a different location within the 18 acre field. Therefore subject inbreds are not planted adjacent to comparative or standard varieties and may be located in different areas of the larger field each year, therefore being influenced by spacial differences within the field. Growing conditions within the field are not uniform as there are some slight topographical variations such as lower areas which may accumulate and retain water or higher areas which are usually drier. The field is tiled and therefore a variety maybe planted close to a tile line while a comparative variety maybe planted further away and in a low spot within the field. Temporal varieties can exist as weather conditions from year to year can vary as well as planting dates can vary from year to year based on weather conditions. Weather conditions each year can vary the maturity rate of the varieties due to either favorable or unfavorable growing conditions.

Trait variability is not observed for each variety within its own test plot-plants are usually uniform and data are collected on the "most" representative plants- variability occurs due to spacial location of the test plot for that variety from year to year and to the temporal variation of weather conditions from year to year during the 2-3 years data are collected.

#### Waterman Research Station Weather Data 2002-2003

Date	Average Precip.	Ave. Monthly Temp – Max.	Ave. Monthly Temp-Min	Ave. Monthly Rel. Humid	Ave. Monthly Rel. Humid –
	(mm)	(F°)	(F°)	Max (%)	Min (%)
June 2002	5.3	81.3	60.4	90.7	47.7
July 2002	1.5	87.0	64.9	93.2	48.3
August 2002	5.7	83.1	61.0	96.0	51.8
Sept. 2002	1.5	79.4	52.6	95.0	42.7
June 2003	2.0	75.7	55.7	-	-
July 2003	6.4	82.2	62.2	_	-
August 2003	2.6	83.5	63.5		_
Sept 2003	2.6	72.9	52.9	-	-

# United States Department of Agriculture, Agricultural Marketing Service Science and Technology, Plant Variety Protection Office National Agricultural Library Building, Room 400 Beltsville, MD 20705-2351

OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

Monsanto Technology Et-6- LLC	Name of Applicant(s)	CONN (26a III.	Variety Seed Source	Variet	y Name or Temporary D	esignation
Place the appropriate number that describes the varietal characters typical of this inbred variety in the spaces below. Right justify whole numbers by adding leading zeroes if necessary. Completeness should be atriven for the establish an adequate variety description.    COLOR CHOICES (Use in conjunction with Munsel color octobe to describe all color choices; describe all 25 and all 26 in Comments section):   11=Injekt Green	Monsanto Technology <del>LL.C.</del> //C	Monsanto Technology <del>L.L.C.</del>			1028727	•
Place the appropriate number that describes the varietal characters typical of this inbred variety in the spaces below. Right Justify whole numbers by adding leading zeroes if necessary. Completeness should be striven for to establish an adequate variety description.  COLOR CHOICES (Use in conjunction with Munsell color code to describe all color choices; describe #25 and #26 in Comments section):  11=Pink 11=Pink 11=Pink 12=Pink 12=P	Address (Street & No., or R.F.D. No., City, State, Zip Code and Count	FOR C	OFFICIAL USE F	VPO Number		
Piece the appropriate number that describes the varietal characters typical of this inbred variety in the spaces below. Right justify whole numbers by adding leading zeroes if necessary. Concessary. Completeness should be striven for to establish an adequate variety described according to the property of the proper	8350 Minnegan Road, Waterman, IL 60556		200600	119		
COLON CHOICES (Use in conjunction with Mursel Color code to describe all color choices; describe #25 and #25 in Comments section):   11-light Green	Place the appropriate number that describes the varietal characters to	nicel of this inbrod various	in the appears halour D			· · · · · · · · · · · · · · · · · · ·
U=Uptracted en	necessary. Completeness should be striven for to establish an adequ	ate variety description.				ng zeroes ir
02=Medium Green   07=Yellow   03=Park Green   03=Vellow-Dampe   13=Cherry Red   17=Purple   22=Tam   03=Dark Green   03=Salmon   04=Very Dark Green   03=Salmon   04=Very Dark Green   03=Salmon   04=Neb Area   04=Very Dark Green   03=Salmon   04=Very Dark Green   04=Ve	COLOR CHOICES (Use in conjunction with Munsell color code to des 01=Light Green 06=Pale Yellow	cribe all color choices; des 11≕Pink				
O4=Very Dark Green   O8=Salmon   14=Red   19=Vinite   20=Vinite   24=Bronze   24=Bronze   25=Variegated (Describe)   25=Variega	02=Medium Green 07=Yellow	12=Light Red				
O5=Green-Yellow   10=Pink-Orange   15=Red & White   20=White Capped   22=Variagated (Describe)   25=Other (D						
STANDARD INBRED CHOICES (Use the most similar (in background and maturity) of these to make comparisons based on grow-out trial data):   Yellow Dent Families   Yellow Dent (Umrelated):						accriba)
New Note					26=Other (Desc	ribe)
Family   Members   Cot 109, ND246,   Cot 13, lows5125, P39, 2132	STANDARD INBRED CHOICES (Use the most similar (in backgroun Yellow Dent Families:	d and maturity) of these to Yellow Dent (Unrelated	make comparisons bas			
B37		Co109, ND246,	-7-			132
B73	B37 B37, B76, H84			Dage		
Note	B73 N192, A679, B73, NC268					HP7211
WF9   W64A, A554, A554, A554, Pa91   Cl68, H105, Ky228   Mo15W, Mo16W, Mo24W		14# 1/				
1. TYPE: (describe intermediate types in Comments section) 2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Omamental 7=Pipecorn 2 1=Northwest 2=North central 3=Northeast 4=Southeast 5=South central 6=Southwest 7=Other 2 1=Northwest 2=North central 3=Northeast 4=Southeast 5=South central 6=Southwest 7=Other  3. MATURITY (in Region Best Adaptability; show Heat Unit formula in "Comments" section):			28			w
2. REGION WHERE DEVELOPED IN THE U.S.A:  2. 1=Northwest 2=North central 3=Northeast 4=Southeast 5=South central 6=Southwest 7=Other  3. MATURITY (In Region Best Adaptability; show Heat Unit formula in "Comments" section): DAYS HEAT UNITS 7.0 14 1 0.5 From emergence to 50% of plants in silk 7.0 14 1 0.5 From emergence to 50% of plants in pollen 7.0 14 1 0.5 From emergence to 50% of plants in pollen 7.0 From 10% to 90% pollen shed 7.0 From 50% silk to optimum edible quality 7.0 From 50% silk to optimum edible quality 7.0 From 50% silk to harvest at 25% moisture  4. PLANT:  Standard Deviation Sample Size 1 8 8 .3 14.1 30 0 6 9 .3 cm Ear Height (to base of top ear node) 6.2 30 1 8 8 .3 14.1 30 0 6 9 .3 cm Ear Height (to base of top ear node) 1 6 .3 cm Length of Top Ear Internode 1 .4 30 0 1 5 .5 1.2 30 1 6 .3 cm Length of Top Ear Internode 1 .4 Average Number of Tillers 1 .0 Average Number of Ears per Stalk 0 .0 30 0 0 1 .0 0 .0 30 1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark 1	TYPE: (describe intermediate types in Comments section)			·		
2 1=Northwest 2=North central 3=Northeast 4=Southeast 5=South central 6=Southwest 7=Other  3. MATURITY (In Region Best Adaptability; show Heat Unit formula in "Comments" section):	2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Ornamental 7	=Pipecorn		2 Type		
3. MATURITY (In Region Best Adaptability; show Heat Unit formula in "Comments" section):  DAYS HEAT UNITS 7 0 14 10.5 From emergence to 50% of plants in silk  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in pollen  7 0 14 10.5 From emergence to 50% of plants in silk  7 0 1 2 1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 5 5 5.0  1 6 3 Cm Plant Height (to tassel tip)  1 8 8.3 Standard Deviation  1 8 8 8 3 Standard Deviation  1 5 5 5 5 0 O  1	2. REGION WHERE DEVELOPED IN THE U.S.A.:			Standard Seed Source		
DAYS 1410.5 From emergence to 50% of plants in silk 0 7 4 1 5 8 0.0  70 1410.5 From emergence to 50% of plants in pollen 0 7 2 1 5 5 5.0  ———————————————————————————————————	2 1=Northwest 2=North central 3=Northeast 4=Southeast	5=South central 6=So	outhwest 7=Other	2 Region		
DAYS 1410.5 From emergence to 50% of plants in silk 0 7 4 1 5 8 0.0  70 1410.5 From emergence to 50% of plants in pollen 0 7 2 1 5 5 5.0  ———————————————————————————————————	3. MATURITY (In Region Best Adaptability; show Heat Unit formula in	"Comments" section):				
From 10% to 90% pollen shed From 50% silk to optimum edible quality From 50% silk to harvest at 25% moisture Standard Deviation Sample Size	DAYS HEAT UNITS	•				
From 50% silk to optimum edible quality From 50% silk to harvest at 25% moisture Standard Deviation	7 0 1 4 1 0.5 From emergence to 50% of plants	in pollen		072	1 5 5 5.0	
From 50% silk to harvest at 25% moisture         4. PLANT:       Standard Deviation       Sample Size       Mean       Standard Deviation       Sample Size         2 1 6. 6 cm Plant Height (to tassel tip)       6.2       30       1 8 8.3       14.1       30         0 6 9. 3 cm Ear Height (to base of top ear node)       6.2       30       0 5 4.7       7.2       30         1 6. 3 cm Length of Top Ear Internode       1.4       30       0 1 5.5       1.2       30         Average Number of Tillers	J					
4. PLANT:       Standard Deviation       Sample Size       Mean       Standard Deviation       Sample Size         2 1 6. 6 cm Plant Height (to tassel tip)       6.2       30       1 8 8.3       14.1       30         0 6 9. 3 cm Ear Height (to base of top ear node)       6.2       30       0 5 4.7       7.2       30         1 6. 3 cm Length of Top Ear Internode       1.4       30       0 1 5.5       1.2       30        Average Number of Tillers      Average Number of Ears per Stalk       0.0       30       0 0 1.0       0.0       30         1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark       1       1	From 50% silk to optimum edible o	quality			:-	
2 1 6. 6 cm Plant Height (to tassel tip) 6.2 30 1 8 8.3 14.1 30 0 6 9. 3 cm Ear Height (to base of top ear node) 6.2 30 0 5 4.7 7.2 30 1 6. 3 cm Length of Top Ear Internode 1.4 30 0 1 5.5 1.2 30 Average Number of Tillers  1.0 Average Number of Ears per Stalk 0.0 30 0 0 1.0 0.0 30 1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark 1		noisture				
0 6 9. 3 cm Ear Height (to base of top ear node) 6.2 30 0 5 4.7 7.2 30  1 6. 3 cm Length of Top Ear Internode 1.4 30 0 1 5.5 1.2 30 Average Number of Tillers	4. PLANT:	Standard Deviation	Sample Size	Mean	Standard Deviation	n Sample Size
1 6. 3 cm Length of Top Ear Internode 1.4 30 0 1 5. 5 1.2 30 Average Number of Tillers	- ' ''	6.2	30	1 8 8.3	14.1	30
Average Number of Tillers	0 6 9. 3 cm Ear Height (to base of top ear node)	6.2	30	0 5 4.7	7.2	30
1.0 Average Number of Ears per Stalk 0.0 30 0 1.0 0.0 30  1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark 1	1 6. 3 cm Length of Top Ear Internode	1.4	30	0 1 5.5	1.2	30
1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Moderate 4=Dark 1	Average Number of Tillers					_
	1.0 Average Number of Ears per Stalk	0.0	30	0 0 1.0	0.0	30
Application Variety Data Page 1 Standard Inbred Data	1 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3=Mo	oderate 4=Dark		1		
	Application Variety Data	Page 1		Standard Inbred	l Data	

Application Varie	ety Data	Page 2		Standard Inbred	d Data	
5. LEAF:		Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
0 9.6	cm Width of Ear Node Leaf	0.5	30	8. 6	0.5	30
7 7. 0	cm Length of Ear Node Leaf	2.2	30	7 1.3	3.5	30
6.0	Number of leaves above top ear	0.6	30	5. 1	0.6	15
2 2. 0	degrees Leaf Angle (measure from 2nd leaf above ear at anthesis	4.8 to stalk above leaf)	30	2 9.3	6.5	30
03	Leaf Color (Munsell code 5 GY 3/4)			0 2 (Munsel	I code 5 GY 4/8)	
1	Leaf Sheath Pubescence (Rate on scale from	n 1=none to 9=like peach fuzz)		2		
4	Marginal Waves (Rate on scale from 1=none	to 9=many)		6		
6	Longitudinal Creases (Rate on scale from 1=	none to 9=many)		7		
5. TASSEL:		Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
0 4. 0	Number of Primary Lateral Branches	1.2	30	9. 8	2.0	30
0 7. 5	Branch Angle from Central Spike	2.6	30	2 6.7	8.0	30
3 4. 6	cm Tassel Length (from top leaf collar to tassel tip)	1.4	30	4 1.7	3.3	30
6.2	Pollen Shed (Rate on scale from 0=male sterile	o to O-books about		5.6		
	Anther Color (Munsell code 2.5 Y 8/10)	to 9-neavy sned)		0 7 (Muns	sell code 2,5 Y 8/10)	
	Glume Color (Munsell code 5 GY 4/8)			0 2 (Munse	eli code 5 GY 4/8)	
	Bar Glumes (Glume Bands): 1=Absent 2=Prese	enf		1		
a. EAR (Unhusk	······································		·······		····	
				0 7 (Munse	ell code 2.5 Y 8/10)	•
	Color (3 days after emergence) (Munsell code :			0 2 (Munsell code 5 GY 4/8)		
	sh Husk Color (25 days after 50% silking) (Muns			2 1 (Muns	ell code 2.5 Y 8/4)	
	Husk Color (65 days after 50% Silking) (Munsell			1	·	
	tion of Ear at Dry Husk Stage: 1=Upright 2=Hori			9		
	Tightness (Rate on scale from 1=very loose to			2		
tip) 4=Very	Extension (at harvest): 1=Short (ears exposed Long (>10 cm)	) 2=Medium (<8 cm) 3=Long (8-	-10 cm beyond ear			
. EAR (Husked	Ear Data):	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
14.7	cm Ear Length	1.9	30	1 2.5	2.5	30
4 4. 0	mm Ear Diameter at mid-point	2.2	30	4 1.8	3.6	20
92.6 g	ım Ear Weight	6.7	30	8 9.4	9.4	30
14.8 i	Number of Kernel Rows	1.1	30	1 3. 2	1.0	20
2 1	Kernel Rows: 1=Indistinct 2=Distinct			2	•	
1 1	Row Alignment: 1=Straight 2=Slightly Curved 3=	=Spiral	i	1		
0 8 .0	cm Shank Length	0.7	30	1 0.5	2.7	20
	Ear Taper: 1=Slight 2=Average 3=Extreme					•
2 6	-ai Taper. Thought 2-Average b-Extreme			2		

Application Variety Data	Page 3		Standard Inbred	Data	
8. KERNEL (Dried):	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
1 1 .8 mm Kernel Length	0.4	30	1 0.7	0.5	20
1 0.0 mm Kernel Width	0.4	30	0 9.1	0.5	20
3 .8 mm Kernel Thickness	0.3	30	0 4.7	0.7	20
2 4 .2 % Round Kernels (Shape Grade)	5.6	500g	22.8	8.9	500g
1 Aleurone Color Pattern: 1=Homozygous 2=Segrega	ting (describe)		1		
1 9 Aleurone Color (Munsell code Lighter than 5 Y 9/1)			1 9 ( <b>M</b> tunse	ll code Lighter Than 2.5 \	<sup>'</sup> 9/2)
0 7 Hard Endosperm Color (Munsell code 2.5 Y 8/10)			2 6 Oran	ge (Munsell code 7.5 Y	R 6/8)
3 Endosperm Type: 1=Sweet (su1) 2=Extra Sweet (sl 5=Waxy Starch 6=High Protein 7=High Lysine 10=Other	h2) 3=Normal Starch 8=Super Sweet (se)	4=High Amylose Starch 9=High Oil	03		
2 8 .8 gm Weight per 100 Kernels (unsized sample)	3.6	1500 seeds	2 2. 1	4.6	2000 seeds
9. COB:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
2 6 .0 mm Cob Diameter at mid-point	1.0	30	2 7. 2	1.2	20
1 9 Cob Color (Munsell code Lighter than 5 Y 9/1)			1 9 (Muns	sell code Lighter then 5 Y	9/1)
A. Leaf Blights, Wilts, and Local Infection Diseases  6 Anthracnose Leaf Blight (Colletotrichum graminicola) 7 Common Rust (Puccinia sorghi) Common Smut (Ustilago maydis) 7 Eyespot (Kabatiella zeae) 8 Goss's Wilt (Clavibacter michiganense spp. nebraskense) 5 Gray Leaf Spot (Cercospora zeae-maydis) Helminthosporlum Leaf Spot (Bipolaris zeicola)	Race 2 (no rating av Race 1 Race O	ailable)	5 Northern Le 7 Southern Le 5 Southern Ru Stewart's W Other (Spec	pot port port port port port port port p	Race 1 Race O
D. Ear and Kernel Rots  Aspergillus Ear and Kernel Rot (Aspergillus flavus) Diplodia Ear Rot (Stenocarpella maydis) Fusarium Ear and Kernel Rot (Fusarium moniliforme) Gibberella Ear Rot (Gibberella zeae) Other (Specify)  Application Variety Data			Other (Speci	fy) ar & Kernel Rot Rot r & Kernel Rot ar Rot fy)	

Application Variety Data Page 4	Standard Inbred Data
11. INSECT RESISTANCE (Rate from 1 (most susceptible) to 9 (most resistant); leave blank if not tested):  Standard Deviation  Sample Size	Standard Deviation Sample Size
Banks Grass Mite (Oligonychus pratensis)	Banks Grass Mite
Corn Earworm ( <i>Helicoverpa zea</i> ) Leaf-Feeding Silk Feeding: mg larval wt Ear Damage	Corn Earworm Leaf Feeding Ear Damage
Corn Leaf Aphid (Rhopalosiphum maidis) Corn Sap Beetle (Carpophilus dimidiatus)	Corn Leaf Aphid Corn Sap Beetle
European Corn Borer (Ostrinia nubilalis)  1st Generation (Typically Whorl Leaf Feeding) 2nd Generation (Typically Leaf Sheath-Collar Feeding) Stalk Tunneling: cm tunneled/plant	European Corn Borer 1st Generation 2nd Generation
Fall Armyworm (Spodoptera frugiperda) Leaf-Feeding Silk-Feeding: mg larval wt.	Fall Armyworm Leaf Feeding Long
Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica undecimpunctata)	Maize Weevil Northern Rootworm Southern Rootworm
Southwestern Corn Borer ( <i>Diatraea grandiosella</i> ) Leaf Feeding Stalk Tunneling : cm tunneled/plant	Southwestern Corn Borer Leaf Feeding
Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify)	Two-spotted Spider Mite Western Rootworm Other (Specify)
12. AGRONOMIC TRAITS:	**************************************
6 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.)	6 Stay Green
0 0 .0 % Dropped Ears (at 65 days after anthesis)	0 0. 2 % Dropped ears
0 0 .0 % Pre-anthesis Brittle Snapping	0 0.0 % Pre-anthesis Brittle Snapping
0 0. 0 % Pre-anthesis Root Lodging	0 0.0 % Pre-anthesis Root Lodging
0 0. 0 % Post-anthesis Root Lodging (at 65 days after anthesis)	0 0.0 % Post-anthesis Root Lodging
Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture)	Yield
13. MOLECULAR MARKERS: (0=data unavailable; 1=data available but not supplied; 2=data supplied)	
1 Isozymes 0 RFLP's 0 RAPD'sOther (Specify)	
REFERENCES:	
Butler, D.R. 1954. A System for the Classification of Corn Inbred Lines. PhD Thesis, Ohio State University.  Emerson, R.A., G.W. Beadle, and A.C. Fraser. 1935. A Summary of Linkage Studies in Maize. Cornell A.E.S., Mem. 180.  Farr, D.F., G.F. Bills, G.P. Chamuris, A.Y. Rossman. 1989. Fungi on Plant and Plant Products in the United States. The A Inglett, G.E. (Ed.) 1970. Corn: Culture, Processing, Products. Avi Publishing Company, Westport, C.T.  Jugenheimer, R.W. 1976. Corn: Improvement, Seed Production, and Uses. John Wiley & Sons, New York.  McGee, D.C. 1988. Maize Diseases. APS Press, St. Paul, MN. 150 pp.  Munsell Color Chart for Plant Tissues. Macbeth. P.O. Box 230. Newburgh, N.Y. 12551-0230  The Mutants of Maize. 1968. Crop Science Society of America. Madison, WI.  Shurtleff, M.C. 1980. Compendium of Corn Diseases. APS Press, St. Paul, MN. 105 pp.  Sprague, G.F., and J.W. Dudley (Editors). 1988. Corn and Corn Improvement, Third Edition. Agronomy Monograph 18. Al Stringfield, G.H. Maize Inbred Lines of Ohio. Ohio A.E.S., Bul. 831. 1959.  U.S. Department of Agriculture. 1936, 1937. Yearbook.	
COMMENTS (e.g. state how heat units were calculated, standard inbred seed source, and/or where data was collected. Co	ontinue in Exhibit D):
Heat Unit Calculation: GDU = <u>Daily Max Temp (&lt;=86°F) + Daily Min Temp (&gt;=50°F)</u> - 2	50°F
Supplemental data obtained from 2005 seed inventory and production parent test.	

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U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE  EXHIBIT E  STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. confidential until the certificate is issued	2421). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	3. VARIETY NAME
Monsanto Technology <del>L.L.C.</del> LLC	OR EXPERIMENTAL NUMBER	1028727
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
800 N. Lindbergh Blvd.	(815) 758-9281	(815) 758-3117
Creve Couer, MO 63167 U.S.A.	7. PVPO NUMBER	20060011
8. Does the applicant own all rights to the variety? Mark an "X" in the	ne appropriate block. If no, please expl	ain. X YES NO
). Is the applicant (individual or company) a U.S. national or a U.S. l	based company? If no, give name of o	ountry. X YES NO
0. Is the applicant the original owner?	NO If no, please answer one	of the following:
a. If the original rights to variety were owned by individual(s) is		nal(e)?
a. If the original rights to variety were owned by individual(s), is  YES  b. If the original rights to variety were owned by a company(ies),	(are) the original owner(s) a U.S. Nation  NO If no, give name of count  is (are) the original owner(s) a U.S. bas	ry sed company?
YES	(are) the original owner(s) a U.S. Nation  NO If no, give name of count	ry sed company?
b. If the original rights to variety were owned by a company(ies)  YES  YES	(are) the original owner(s) a U.S. Nation  NO If no, give name of count  is (are) the original owner(s) a U.S. base  NO If no, give name of count	ry sed company? ry
b. If the original rights to variety were owned by a company(ies).	(are) the original owner(s) a U.S. Nation  NO If no, give name of count  is (are) the original owner(s) a U.S. base  NO If no, give name of count	ry sed company? ry
b. If the original rights to variety were owned by a company(ies)  YES  YES	(are) the original owner(s) a U.S. Nation NO If no, give name of count, is (are) the original owner(s) a U.S. based in the original owner. If no, give name of count owner is the original breeder to current owner. Use the red developed by a breeder employen Monsanto Technology	sed company?  ry  everse for extra space if needed);  byed by Monsanto f- and the breeder, all anto Technology L.L.G. (// C.
b. If the original rights to variety were owned by a company(ies), YES  1. Additional explanation on ownership (Trace ownership from originated an Technology L. C. By agreement between rights to any invention, discovery or devention, discovery or devention.	(are) the original owner(s) a U.S. Nation NO If no, give name of count, is (are) the original owner(s) a U.S. based in the original owner. If no, give name of count owner is the original breeder to current owner. Use the red developed by a breeder employen Monsanto Technology	sed company?  ry  everse for extra space if needed);  byed by Monsanto f- and the breeder, all anto Technology L.L.G. (// C.
b. If the original rights to variety were owned by a company(ies),  YES  1. Additional explanation on ownership (Trace ownership from originated and Technology L. G. By agreement between rights to any invention, discovery or device.	(are) the original owner(s) a U.S. Nation NO If no, give name of count, is (are) the original owner(s) a U.S. based in the original owner. If no, give name of count owner is the original breeder to current owner. Use the red developed by a breeder employen Monsanto Technology	sed company?  ry  everse for extra space if needed);  byed by Monsanto f- and the breeder, all anto Technology L.L.G. (// C.
b. If the original rights to variety were owned by a company(ies), YES  1. Additional explanation on ownership (Trace ownership from originated an Technology L. C. By agreement between rights to any invention, discovery or devention, discovery or devention.	(are) the original owner(s) a U.S. Nation NO If no, give name of count, is (are) the original owner(s) a U.S. based in the original owner of count in the original owner. Use the result of the owner of the owner owner owner in the owner owner owner. Use the result of the owner	sed company?  ry  everse for extra space if needed);  byed by Monsanto f- and the breeder, all anto Technology L.L.G. (1 C.
b. If the original rights to variety were owned by a company(ies).  YES  1. Additional explanation on ownership (Trace ownership from originated and Technology L.E. By agreement between rights to any invention, discovery or devenue. No rights to such invention, discovery or devenue.	(are) the original owner(s) a U.S. Nation NO If no, give name of count, is (are) the original owner(s) a U.S. base NO If no, give name of count and breeder to current owner. Use the red developed by a breeder employen Monsanto Technology L.E. elopment are assigned to Monsar development are retained by the sees) who meet the following criteria: erson must be a U.S. national, national	everse for extra space if needed):
b. If the original rights to variety were owned by a company(ies).  YES  1. Additional explanation on ownership (Trace ownership from originated an Technology L.L.C. By agreement between rights to any invention, discovery or device No rights to such invention, discovery or device No rights to the variety are owned by the original breeder, that p	(are) the original owner(s) a U.S. Nation NO If no, give name of count is (are) the original owner(s) a U.S. base NO If no, give name of count in all breeder to current owner. Use the red developed by a breeder employen Monsanto Technology L.E. elopment are assigned to Monsar development are retained by the sees) who meet the following criteria: erson must be a U.S. national, national of the U.S. for the same genus and specified the original breeder(s), the company	everse for extra space if needed):  everse for extra space if needed if needed):  everse for extra space if needed if ne
b. If the original rights to variety were owned by a company(ies).  YES  1. Additional explanation on ownership (Trace ownership from original content of the content of th	(are) the original owner(s) a U.S. Nation NO If no, give name of count is (are) the original owner(s) a U.S. base NO If no, give name of count in all breeder to current owner. Use the red developed by a breeder employen Monsanto Technology L.E. elopment are assigned to Monsar development are retained by the sees) who meet the following criteria: erson must be a U.S. national, national if the U.S. for the same genus and specified the original breeder(s), the company country which affords similar protection	everse for extra space if needed):  everse for extra space if needed if needed):  everse for extra space if needed i

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**EXHIBIT F** 

NAME OF OWNER (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	TEMPORARY OR EXPERIMENTAL DESIGNATION
Monsanto Technology LLC	8350 Minnegan Road	TEM OFFICE ON EN ENWINEERING PERIOR
	Waterman, IL 60556 U.S.A.	VARIETY NAME
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	FOR OFFICIAL TOP ONLY
Timothy R. Kain	8350 Minnegan Road Waterman, IL 60556 U.S.A.	PVPO NUMBER 2006 00 119

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

Signature

28 FEB 2008